

Aquaculture

VOL. 299 NOS. 1-4

CONTENTS

FEBRUARY 2010

(Abstracts/contents list published in: Aquatic Science and Fisheries Abstracts, Biological Abstracts, Elsevier BIOBASE/Current Awareness in Biological Sciences, Current Contents A, B & ES, EMBiology, Environment Abstracts, Freshwater and Aquaculture Contents Tables, Geo Abstracts, Geobase, Marine Science Contents Tables, Zoological Record). Also covered in the abstract and citation database SCOPUS®.
Full text available in ScienceDirect®

Editorial

- Up-front rejections, or which type of papers should I not submit to Aquaculture
B.A. Costa-Pierce, E.M. Donaldson, D.M. Gatlin, G. Hulata and P.R. Smith 1

Diseases

- The influence of different water temperatures on *Neobenedenia girellae* (Monogenea) infection, parasite growth, egg production and emerging second generation on amberjack *Seriola dumerili* (Carangidae) and the histopathological effect of this parasite on fish skin
N. Hirazawa (Tokyo, Japan), R. Takano, H. Hagiwara, M. Noguchi and M. Narita (Ibaragi, Japan) 2
- Occurrence of the protozoan parasite, *Perkinsus olseni* in the wild and farmed Pearl Oyster, *Pinctada fucata* (Gould) from the Southeast coast of India
N.K. Sanil, K.K. Vijayan, V. Kripa and K.S. Mohamed (Cochin, India) 8
- Enhanced white spot syndrome virus (WSSV) detection sensitivity using monoclonal antibody specific to heterologously expressed VP19 envelope protein
P. Chaivisuthangkura, S. Longyant, S. Rukpratanporn, C. Srisuk, P. Sridulyakul and P. Sithigorngul (Bangkok, Thailand) . . . 15

Genetics

- Summer mortality of hatchery-produced Pacific oyster spat (*Crassostrea gigas*). II. Response to selection for survival and its influence on growth and yield
L. Dégremont (La Tremblade, France), E. Bédier (La Trinité, France) and P. Boudry (Plouzané, France) 21
- Estimates of strain additive and non-additive genetic effects for growth traits in a diallel cross of three strains of giant freshwater prawn (*Macrobrachium rosenbergii*) in Vietnam
N.M. Thanh (Brisbane, QLD, Australia; Ho Chi Minh City, Vietnam), N.H. Nguyen, R.W. Ponzoni (Penang, Malaysia), N.T. Vu (Ho Chi Minh City, Vietnam), A.C. Barnes and P.B. Mather (Brisbane, QLD, Australia) 30
- Microsatellite DNA markers revealed genetic population structure among captive stocks and wild populations of mrigal, *Cirrhinus cirrhosus* in Myanmar
O. Aung (Yangon, Myanmar; Bangkok, Thailand), T.T.T. Nguyen, S. Poompuang and W. Kamonrat (Bangkok, Thailand) . . . 37

(continued on last page of this issue)

Visit the Elsevier Aquaculture Website today!

New FREE Online Features:

- Table of Contents NOW WITH ABSTRACTS
- Full Search on Abstracts, Authors and Keywords
- Author and Subject Index

Bookmark: <http://www.elsevier.com/locate/aqua-online>
or <http://www.elsevier.com/locate/aqua-online>



0044-8486(201002)299:1-4;1-0

Available online at www.sciencedirect.com

ScienceDirect

Effects of age and environment on survival of summer mortality by two selected groups of the Pacific oyster <i>Crassostrea gigas</i> L. Dégremont (La Tremblade, France), P. Boudry (Plouzané, France), M. Ropert (Port en Bessin, France), J.-F. Samain (Plouzané, France), E. Bédier (La Trinité, France) and P. Soletchnik (La Tremblade, France)	44
Improvement in production traits by mass spawning type crossbreeding in bay scallops C. Wang (Qingdao, China; Quebec City, Canada) and Z. Li (Qingdao, China)	51
Husbandry and Management	
Metabolic molecular indicators of chronic stress in gilthead seabream (<i>Sparus aurata</i>) using comparative proteomics R.N. Alves, O. Cordeiro, T.S. Silva, N. Richard, M. de Varelles (Faro, Portugal), G. Marino, P. Di Marco (Rome, Italy), P.M. Rodrigues and L.E.C. Conceição (Faro, Portugal)	57
Sheltering behavior of the abalone, <i>Haliotis tuberculata</i> L., in artificial and natural seawater: The role of calcium F. Cenni, G. Parisi, F. Scapini and F. Gherardi (Firenze, Italy)	67
Chronic stress impairs performance, energy metabolism and welfare indicators in European seabass (<i>Dicentrarchus labrax</i>): The combined effects of fish crowding and water quality deterioration G.A. Santos, J.W. Schrama, R.E.P. Marnauag, J.H.W.M. Rombout and J.A.J. Verreth (Wageningen, The Netherlands)	73
Assessing impacts of introduced aquaculture species on native fish communities: Nile tilapia and major carps in SE Asian freshwaters R.I. Arthur, K. Lorenzen (Ascot, UK), P. Homekingkeo, K. Sidavong, B. Sengvilaikham (Savannakhet, Lao People's Democratic Republic) and C.J. Garaway (London, UK)	81
Suspended solids removal to improve shrimp (<i>Litopenaeus vannamei</i>) production and an evaluation of a plant-based feed in minimal-exchange, superintensive culture systems A.J. Ray, B.L. Lewis (Bluffton, SC, USA), C.L. Browdy and J.W. Leffler (Charleston, SC, USA)	89
Effects of stocking density, algal density, and temperature on growth and survival of larvae of the basket cockle, <i>Clinocardium nuttallii</i> W. Liu, H. Gurney-Smith, A. Beerens and C.M. Pearce (Nanainco, British Columbia, Canada)	99
The influence of water temperature and ration on the growth, body composition and energy budget of tongue sole (<i>Cynoglossus semilaevis</i>) J. Fang (Qingdao, People's Republic of China), X. Tian (Qingdao, Panjin, People's Republic of China) and S. Dong (Qingdao, People's Republic of China)	106
Nutrition	
Functional ingredients produced by culture of <i>Koliella antarctica</i> V. Fogliano (Portici, Italy), C. Andreoli (Italy), A. Martello (Portici, Italy), M. Caiazza, O. Lobosco (Italy), F. Formisano, P.A. Carlino, G. Meca, G. Graziani (Portici, Italy), V.D.M. Rigano, V. Vona, S. Carfagna and C. Rigano (Italy)	115
Effects of dietary lipid levels on growth, survival and lipid metabolism during early ontogeny of <i>Pelteobagrus vachelli</i> larvae K. Zheng, X. Zhu, D. Han, Y. Yang, W. Lei (Wuhan, PR China) and S. Xie (Wuhan, PR China; Shanghai, China)	121
Assessment of <i>Chlorogloeopsis</i> as a novel microbial dietary supplement for red tilapia (<i>Oreochromis niloticus</i>) D.L. Merrifield (Plymouth, UK), D. Güroy, B. Güroy (Turkey), M.J. Emery, C.A. Llewellyn, S. Skill and S.J. Davies (Plymouth, UK)	128
Intestinal absorption of amino acids in the Pacific bluefin tuna (<i>Thunnus orientalis</i>): <i>In vitro</i> uptake of amino acids using hydrolyzed sardine muscle at three different concentrations E. Martínez-Montaña, E. Peña (Ensenada, Mexico), U. Focken (Stuttgart, Germany) and M.T. Viana (Ensenada, Mexico)	134
Physiology and Endocrinology	
Light acclimation strategies of three commercially important red algal species R. Marquardt, H. Schubert (Rostock, Germany), D.A. Varela, P. Huovinen, L. Henríquez and A.H. Buschmann (Puerto Montt, Chile)	140
Metabolic consequences of chronic sublethal ammonia exposure at cellular and subcellular levels in Nile tilapia brain M.M. Hegazi, Z.I. Attia, M.A.M. Hegazi and S.S. Hasanein (Tanta, Egypt)	149
Long photoperiod on sea cages delays timing of first spermiation and enhances growth in male European sea bass (<i>Dicentrarchus labrax</i>) M. Carrillo, I. Begtashi, L. Rodríguez (Castellón, Spain), M.C. Marin (Murcia, Spain) and S. Zanuy (Casellón, Spain)	157
Short Communication	
Absorption efficiency of blue mussels (<i>Mytilus edulis</i> and <i>M. trossulus</i>) feeding on Atlantic salmon (<i>Salmo salar</i>) feed and fecal particulates: Implications for integrated multi-trophic aquaculture G.K. Reid, M. Liutkus (Saint John, St. Andrews, NB, Canada), A. Bennett (Saint John, NB, Canada), S.M.C. Robinson (St. Andrews, NB, Canada), B. MacDonald (Saint John, NB, Canada) and F. Page (St. Andrews, NB, Canada)	165